

Amendments to the Claims:

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1. **(Currently amended)** A speaker apparatus comprising:  
a speaker unit;  
a passive radiator unit;  
a ~~front~~ baffle on which said speaker unit and said passive radiator unit are mounted, ~~which~~  
~~front~~ said baffle forming a constituent part of a speaker box; and  
a back plate; ~~wherein~~  
wherein said speaker unit, said passive radiator unit and said ~~front~~ baffle form a first closed  
~~front~~ chamber; and  
wherein said speaker unit, said ~~front~~ baffle and said back plate form a second closed rear  
chamber; and  
wherein said speaker unit is disposed ~~in directions so that a direction of said speaker unit is~~  
opposite to a direction of said passive radiator unit, or in ~~directions~~ a direction that ~~are approximately~~  
is substantially opposite to a direction of said passive radiator unit.

2. **(Currently amended)** The speaker apparatus of claim 1, ~~wherein further comprising~~  
~~said front baffle is provided with an auxiliary baffle disposed in the front of said baffle, and~~  
wherein said first closed ~~front~~ chamber is formed by said speaker unit, said passive radiator unit,  
said ~~front~~ baffle and said auxiliary baffle.

3. **(Currently amended)** The speaker apparatus of claim 1, wherein said passive radiator unit  
is mounted on a closed[-back] frame having an opening in one direction of ~~the~~ a side of said frame.

4. **(Currently amended)** The speaker apparatus recited in claim 1, wherein  
said passive radiator unit is provided with an edge having a thick central portion covering the  
surface of a diaphragm and a circumference portion integrally formed together.

5. **(Original)** The speaker apparatus of claim 4, wherein said edge is an up roll type edge.

6. **(Currently amended)** The speaker apparatus of claim 1, wherein ~~the~~ an area of an opening in said ~~front baffle, or passive radiator unit,~~ is not less than 30 % of an effective area of ~~the~~ a diaphragm of said speaker unit, said opening connecting a space between said speaker unit and a diaphragm of said passive radiator unit.

7. **(Currently amended)** The speaker apparatus of claim 1, wherein a corner edge of an opening connecting a space between said speaker unit and a diaphragm of said passive radiator diaphragm unit in said first closed front chamber is chamfered or rounded.

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8. **(Currently amended)** The speaker apparatus of claim 1, wherein a semi-circle semi-circular or arc-shape holder is provided integrally at ~~the~~ a vicinity of an opening connecting a space between said speaker unit and a diaphragm of said passive radiator unit diaphragm in said first closed front chamber for said holder supporting a damper of said passive radiator unit.

9. **(Currently amended)** The speaker apparatus of claim 1, ~~wherein~~ further comprising said front baffle is provided with a diffuser at the disposed in front of said baffle, and an acoustic opening is ~~provided~~ disposed in a direction perpendicular to ~~the~~ a direction of sound radiation from said passive radiator unit.

10. **(Currently amended)** The speaker apparatus of claim 1, wherein said ~~front~~ baffle is provided with heat dissipation slits and a sealing material in a region which makes contact with a bottom plate of said speaker unit.

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11. **(Currently amended)** A sound reproduction apparatus comprising:

(A) a speaker apparatus comprising

a speaker unit;<sub>1</sub>

a passive radiator unit;<sub>2</sub>

a front baffle on which said speaker unit and said passive radiator unit are mounted, [which] said front baffle forming a portion of a speaker box;<sub>3</sub> and

a back plate;<sub>4</sub> ~~wherein;~~

wherein said speaker unit, said passive radiator unit and said front baffle form a closed front chamber,

wherein said speaker unit, said front baffle and said back plate form a closed rear chamber,

and

wherein said speaker unit is disposed in direction opposite to said passive radiator unit, or in a direction approximately opposite to said passive radiator unit;<sub>5</sub>

(B) a microphone for detecting a sound output signal radiated from said speaker apparatus;<sub>6</sub> and

(C) a power amplifier unit for amplifying ~~and inputting a signal~~ and inputting said amplified signal detected by said microphone to a differential amplifier for the purpose of sound feedback control.

12. **(Currently amended)** A sound reproduction apparatus comprising:

(A) a low frequency range speaker apparatus comprising

a speaker unit;<sub>1</sub>

a passive radiator unit;<sub>2</sub>

a front baffle on which said speaker unit and said passive radiator unit are mounted, ~~which~~ said front baffle forming a portion of a speaker box;<sub>3</sub> and

a back plate;<sub>4</sub> ~~wherein;~~

wherein said speaker unit, said passive radiator unit and said front baffle form a closed front chamber,

wherein said speaker unit, said front baffle and said back plate form a closed rear chamber, and

wherein said speaker unit is disposed in a direction opposite to said passive radiator unit, or in a direction ~~approximately~~ substantially opposite to said passive radiator unit; and

(B) a full range speaker apparatus, wherein input signals to be input to said low frequency range speaker apparatus are reverse-phased in relation to input signals to be input to said full range speaker apparatus.

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13. (Currently amended) A ~~The~~ speaker apparatus of claim 1, wherein comprising a speaker unit;  
—— a passive radiator unit formed of an edge, a damper and a diaphragm;  
—— a front baffle on which said speaker unit and said passive radiator unit are mounted and is provided with an opening is provided for exposing a plate portion of said speaker unit to the ~~an~~ outside; ~~which front baffle forming a portion of a speaker box; and~~  
—— a back plate; wherein  
—— said speaker unit, said passive radiator unit, said front baffle and a cushion attached to said speaker unit form a closed front chamber;  
—— said speaker unit, said front baffle and said back plate form a closed back chamber; and  
—— said speaker unit is disposed in a reverse direction relative to said passive radiator unit.

14. (Currently amended) The speaker apparatus of claim ~~13~~ 1, further comprising a sealing panel, wherein  
—— said second closed ~~rear~~ chamber is formed by said speaker unit, said ~~front~~ baffle, said back plate and said sealing panel.

15. (Currently amended) A speaker apparatus comprising:

a speaker unit;

a baffle, on which said speaker unit is mounted, said baffle forming ~~to form~~ a portion of a speaker box ~~and is~~, and said baffle being provided with an opening for exposing ~~the~~ a plate portion of said speaker unit ~~as well as~~ and an acoustic opening in a region corresponding to ~~the~~ a back of said speaker unit; and

a back plate forming a portion of said speaker box; ~~wherein~~

wherein said speaker unit, said back plate and said front baffle confine sound output generated from the front of said speaker unit, while actual sound is reproduced through said acoustic opening disposed in ~~a~~ the region corresponding to the back of said speaker unit.

16. (Currently amended) A speaker apparatus comprising:

a speaker unit;

a ~~front~~ baffle, on which said speaker unit is mounted ~~to form~~, said baffle forming a portion of a speaker box; and

a back plate forming a portion of said speaker box and ~~is being~~ provided with an opening for exposing a plate portion of said speaker unit; ~~wherein~~

wherein said speaker unit, said back plate and said ~~front~~ baffle confine sound output generated from ~~the~~ a back of said speaker unit, while actual sound is reproduced by making use of ~~the~~ a sound output generated from ~~the~~ a front of said speaker unit.

17. (Currently amended) A speaker apparatus comprising:

a speaker unit;

a port;

a ~~front~~ baffle, on which said speaker unit and said port are mounted to form a portion of a speaker box ~~and is~~, said baffle being provided with an opening for exposing a plate portion of said

speaker unit, an acoustic opening in a region corresponding to ~~the~~ a back of said speaker unit and a port opening for attaching said port; and

a back plate forming a portion of said speaker box; ~~wherein~~

wherein sound output generated from the back of said speaker unit is reproduced through said acoustic opening, while sound output generated from ~~the~~ a front of said speaker unit is reproduced through said port opening.

18. **(Currently amended)** A speaker apparatus comprising:

a speaker unit;

a port;

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Cont a front baffle, on which said speaker unit and said port are mounted to form a portion of a speaker box ~~and is~~, said front baffle being provided with an acoustic opening for the in a region corresponding to a front of said speaker unit and a port opening for attaching said port; and

a back plate forming a portion of said speaker box and ~~is being~~ provided with an opening for exposing a plate portion of said speaker unit; ~~wherein~~

wherein sound output generated from the front of said speaker unit is reproduced through said acoustic opening, while sound output generated from ~~the~~ a back of said speaker unit is reproduced through said port opening.

SDY 19. **(Currently amended)** The speaker apparatus recited in claim 13, wherein

~~—~~ said plate portion of said speaker unit is provided with an uneven surface.

20. **(Currently amended)** The speaker apparatus recited in claim 13, wherein

said plate portion of said speaker unit is provided with heat radiation fins.

21. **(Currently amended)** A sound reproduction apparatus comprising:

(A) a speaker apparatus comprising

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a speaker unit;  
a passive radiator unit formed of an edge, a damper and a diaphragm;  
a front baffle on which said speaker unit and said passive radiator unit are mounted to form a portion of a speaker box, ~~and is~~ said front baffle being provided with an opening, ~~and~~  
a back plate; ~~wherein,~~  
wherein said speaker unit, said passive radiator unit, said front baffle and a cushion attached to said speaker unit form a closed front chamber,  
wherein said speaker unit, said front baffle and said back plate form a closed rear chamber,  
and  
wherein said speaker unit is disposed in a reverse direction relative to said passive radiator unit;  
(B) a microphone for detecting a sound output signal radiated from said speaker apparatus;  
and  
(C) a power amplifier unit for amplifying ~~and inputting~~ signals detected by said microphone and inputting said amplified signals to a differential amplifier for the purpose of sound feedback control.

22. **(Currently amended)** A sound reproduction apparatus comprising:

(A) a low frequency range speaker apparatus comprising  
a speaker unit;  
a port;  
a front baffle on which said speaker unit and said port are mounted to form a portion of a speaker box, ~~and is~~ said front baffle being provided with an opening and ~~said~~ a port opening; for said port, and  
a back plate forming a portion of said speaker box; ~~wherein,~~  
wherein actual sound is reproduced by making use of sound output generated from the back of said speaker unit and sound output coming through said port;

(B) a microphone for detecting sound output signals radiated from said speaker apparatus;  
; and

(C) a power amplifier unit for amplifying ~~and inputting~~ signals detected by said microphone  
and inputting said amplified signals to a differential amplifier for the purpose of sound feedback  
control.

23. **(Currently amended)** A sound reproduction apparatus comprising:

(A) a low frequency range speaker apparatus comprising  
a speaker unit;

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Cont a front baffle on which said speaker unit is mounted to form a portion of a speaker box, ~~and~~  
is said front baffle being provided with an opening; and

a back plate forming a portion of said speaker box, ~~wherein,~~  
wherein said speaker unit and said front baffle confine sound output generated from the front  
of said speaker unit, while actual sound is reproduced by the sound output generated from the back  
of said speaker unit; and

(B) a full range speaker apparatus, ~~wherein~~  
wherein signals to be input to said low frequency range speaker apparatus are reverse-phased  
in relation to signals to be input to said full range speaker apparatus.

24. **(Currently amended)** A sound reproduction apparatus comprising:

(A) a low frequency range speaker apparatus comprising  
a speaker unit;

a port;

a front baffle on which said speaker unit and said port are mounted to form a portion of a  
speaker box, ~~and is said front baffle being~~ provided with an opening and ~~said~~ a port opening; for said  
port, and

a back plate forming a portion of said speaker box, ~~wherein,~~



wherein actual sound is reproduced by making use of sound output generated from the back of said speaker unit and sound output coming through said port; and

(B) a full range speaker apparatus; wherein

wherein signals to be input to said low frequency range speaker apparatus are reverse-phased in relation to signals to be input to said full range speaker apparatus.

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25. **(Currently amended)** The speaker apparatus recited in claim 2, wherein said passive radiator unit is provided with an edge having a thick central portion covering the surface of a diaphragm and a circumference portion integrally formed together.

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26. **(Currently amended)** The speaker apparatus recited in claim 3, wherein said passive radiator unit is provided with an edge having a thick central portion covering the surface of a diaphragm and a circumference portion integrally formed together.

27. **(Currently amended)** The speaker apparatus recited in claim 15, wherein said plate portion of said speaker unit is provided with an uneven surface.

28. **(Currently amended)** The speaker apparatus recited in claim 17, wherein said plate portion of said speaker unit is provided with an uneven surface.

29. **(Currently amended)** The speaker apparatus recited in claim 15, wherein said plate portion of said speaker unit is provided with heat radiation fins.

30. **(Currently amended)** The speaker apparatus recited in claim 17, wherein said plate portion of said speaker unit is provided with heat radiation fins.